



**COMMITTEE ON THE UNDERGRADUATE
PROGRAM IN MATHEMATICS**

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COMPENDIUM

OF

CUPM

RECOMMENDATIONS**

VOLUME I

A COMPENDIUM OF CUPM RECOMMENDATIONS

STUDIES

DISCUSSIONS

and

RECOMMENDATIONS

by the

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PREFACE

The Committee on the Undergraduate Program in Mathematics (CUPM) was established as a standing committee of the Mathematical Association of America (MAA) in 1959.* With financial assistance from the National Science Foundation, CUPM in 1960 began to engage in several projects and activities related to improvement in the undergraduate curriculum. These projects often involved the publication of reports, which were widely disseminated throughout the mathematical community and were available from the CUPM Central Office upon request. Since a change in the funding policy of the United States government makes the continuing production and free distribution of such reports extremely unlikely, the MAA has decided to publish in permanent form the most recent versions of many of the CUPM recommendations so that these reports may continue to be readily available to the mathematical community and may conveniently be kept on the reference shelves of mathematics libraries.

This COMPENDIUM is published in two volumes, each of which has been divided into sections according to the category of reports contained therein. These CUPM documents were produced by the cooperative efforts of literally several hundred mathematicians in the United States and Canada. The reports are reprinted here in essentially their original form; there are a few editorial comments which serve to update or cross-reference some of the materials.

The editorial work for the COMPENDIUM was started by William E. Mastrocola during his term as Director of CUPM and completed after his return to Colgate University. He was assisted in the early stages by Andrew Sterrett and Paul Knopp, Executive Directors of CUPM during 1972 and 1973. Preparation of the final manuscript for the printer was the joint work of William E. Mastrocola and Katherine B. Magann. The considerable efforts of these individuals is deserving of special recognition.

* A detailed history of CUPM can be found in an article by W. L. Duren which appeared in the American Mathematical Monthly, vol. 74, pp. 23-37.